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Key box**Technical field**

- 5 The invention relates to a key box having a metal or plastics housing which can be closed by a door.

Prior art

- 10 Key boxes of the above type are known, the housings of which are made from blanks or deep-drawn parts individually tailored to the size of the respective key box (SCHÄFER SHOP Main Catalog 2003/2004, pp. 868, 869). The tool and/or production cost necessary for the production of such key boxes is undesirably high, especially in cases in which a manufacturer offers a range of key boxes which have sizes matched to
- 15 different holding capacities.

Representation of the invention

- 20 The object of the invention is to provide a key box, the structure of which allows a significantly more economical production compared to known production methods. This object is achieved according to the invention by the fact that the housing has two side walls, screwed together with a top part and a bottom part, and a rear wall guided in guide grooves in the side walls.

- 25 The division of the housing into a plurality of joinable single parts not only simplifies the production of the single parts, but also allows certain identical parts to be used to construct different-sized key boxes, in which case it proves particularly advantageous if the side walls and the doors consist of cut-to-length continuous profiles and the rear walls consist of a plurality of segments disposed one above the other.

- 30 Further features and details of the invention emerge from the subclaims and the following description of an embodiment of a key box represented in the appended drawing.

Ways of implementing the invention

In the single figure, 1 and 2 are the top part and the identically configured bottom part of a key cabinet. The two aforementioned parts have guide lugs 3 and 4, which can be inserted in cavities 5, 6 in two likewise identically configured side walls 7, 8. The side walls 7, 8 are constituted by cut-to-length continuous profiles, which are preferably configured as aluminum extruded profiles. Jutting into the cavities 5, 6 are hollow-profile webs 9, 10, the ends of which are used to receive screws 11, 12 which serve to connect the side walls 7, 8 to the top part 1 and the bottom part 2.

In the same way as the side walls 7, 8, the door 13 consists of a cut-to-length continuous profile, which is provided with an opening 14 for the reception of a lock 15.

The side walls 7, 8 have flanges 16, 17, whose ends facing away from the cavities 5, 6 and containing guide grooves 18, 19 serve to receive webs 20, 21 located on opposite sides of segments 22 which make up the rear wall of the key box. In addition, the flanges 16, 17 are provided with bores 23 which enable the key box to be fastened to a wall. The flanges 16, 17 constitute, in other words, guide and fastening flanges.

The segments 22 which are used to make the rear wall of the key box are preferably configured as plastics injection-molded parts. They have a plurality of rows of rectangular perforations 24, of which the perforations of the outer perforation rows can be used to fasten key rails 25. Studs 26 and recesses 27 on the upper and lower edges of the segments 22, together with the guide grooves 18, 19 in the flanges 16, 17, ensure that the segments 22 are held together to form a rigid rear wall. The segmentation of the rear wall, like the use of cut-to-length continuous profiles and identical top and bottom parts, has a positive effect upon the economy of production of different-sized key boxes.